BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Modified Estimate for Repairs of Reading Room at BEL 6th Block in Ward No. 09, Vidyaranyapura Sub Division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							Estimate Cost Rs.		500000.00
1	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for **columns**, pillars, piers, post and struts, circular or curved in plan including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 17/ Item No. 4.32/ PWD SR 2013-14**	Sqm							
	Columns Footing		4	4.80		0.50	9.60		
	For Columns		4	1.40		3.50	19.60		
							29.20	330.72	**9657.00**
	Basic Rate	312.00							
	Area Weightage @ 6%	18.72							
	Total	**330.72**							
2	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs,** landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 16 / Item No. 4.29/ PWD SR 2013-14**	Sqm							
	Roof		1	7.00	6.80		47.60		
	Roof Edges		1	27.60		0.15	4.14		
							51.74	284.08	**14698.00**
	Basic Rate	268.00							
	Area Weightage @ 6%	16.08							
	Total	**284.08**							
3	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of **beams**, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 17 / Item No. 4.34/ PWD SR 2013-14**	Sqm							
	Front Beams		2	7.00	1.20		16.80		
			2	6.00	1.20		14.40		
							31.20	239.56	**7474.00**
	Basic Rate	226.00							
	Area Weightage @ 6%	13.56							
	Total	**239.56**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs with 20mm and down size** graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3 lts confirming to IS 9103-1999 reaffirmed-2008 , machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2013-14**	Cum							
	Columns Footing		4	1.20	1.20	0.50	2.88		
	Columns		4	0.45	0.23	3.50	1.45		
	Beam		2	7.00	0.30	0.40	1.68		
			2	6.00	0.30	0.40	1.44		
	Roof Slab		1	7.00	6.80	0.125	5.95		
			1	6.46	3.46	0.125	2.79		
							16.19	5535.32	**89633.00**
	Basic Rate	5222.00							
	Area Weightage @ 6%	313.32							
	Total	**5535.32**							
5	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 27 / Item No. 5.27/ PWD SR 2013-14**	Sqm							
	Long Wall		1	6.50		3.00	19.50		
			2	5.60		0.80	8.96		
			1	6.46		1.50	9.69		
			2	3.00		1.50	9.00		
	Varandha		1	6.50		0.45	2.93		
							50.08		
	Deduct for Openings Door		1	0.90		2.10	1.89		
							-1.89		
							48.19	907.36	**43721.00**
	Basic Rate	856.00							
	Area Weightage @ 6%	51.36							
	Total	**907.36**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 4.9.2: Providing mild steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.45/ PWD SR 2013-14**	Qtl							
	For Columns, Plinth, Lintel, Beam and Roof 120 Kg/Cum		1.20	16.19			19.43		
							19.43	7746.48	**150526.00**
	Basic Rate	7308.00							
	Area Weightage @ 6%	438.48							
	Total	**7746.48**							
7	KSRB 10-2: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement	Sqm							
			1	7.00	6.80		47.60		
							47.60	779.10	**37085.00**
	Basic Rate	735.00							
	Area Weightage @ 6%	44.10							
	Total	**779.10**							
8	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 123/ Item No. 15.21 / PWD SR -2013-14**	Sqm							
	Room		1	7.00	6.80		47.60		
			1	6.00	3.00		18.00		
							65.60	163.24	**10709.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	154.00							
	Area Weightage @ 6%	9.24							
	Total	**163.24**							
9	KSRB 15.3.11 :Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 123/ Item No. 15.19 / PWD SR 2013-14 (Inside wall)**	Sqm							
	Room		1	6.50		3.00	19.50		
			1	22.70		3.00	68.10		
			4	5.60		0.80	17.92		
			2	6.50		0.80	10.40		
			1	6.46		1.50	9.69		
			2	3.00		1.50	9.00		
			1	6.45		0.45	2.90		
			2	3.00		0.45	2.70		
							140.21		
	Deduct for Openings Door		1	0.90		2.10	1.89		
							-1.89		
							138.32	199.28	**27565.00**
	Basic Rate	188.00							
	Area Weightage @ 6%	11.28							
	Total	**199.28**							
10	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications **Page No. 123 / Item No. 15.17 / PWD SR 2013-14 (Out side Wall)**	Sqm							
	Out Side		1	6.50		3.60	23.40		
			2	5.60		3.60	40.32		
			1	6.46		2.30	14.86		
			2	3.00		2.30	13.80		
							92.38		
	Deduct for Openings Door								
	Grills		4	2.40		1.80	17.28		
	Collapsable Gate		1	5.50		2.50	13.75		
							31.03		
							61.35	165.36	**10145.00**
	Basic Rate	156.00							
	Area Weightage @ 6%	9.36							
	Total	**165.36**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **Page No. 12 / Item No. 4.3 / PWD SR 2013-14**	Cum							
	Building Surroundings		2	8.30	0.90	0.15	2.24		
			1	9.00	0.90	0.15	1.22		
							3.46	4211.38	**14555.00**
	Basic Rate	3973.00							
	Area Weightage @ 6%	238.38							
	Total	**4211.38**							
12	KSRB 15.15.2: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. **with Primer Page No.126/ Item No. 15.51.2 / PWD SR 2013-14**	Sqm							
			Qty Vide Item No.14+15				**203.92**	79.50	**16212.00**
	Basic Rate	75.00							
	Area Weightage @ 6%	4.50							
	Total	**79.50**							
13	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications **with Primer Page No.127/ Item No. 15.53.2 / PWD SR 2013-14**	Cum							
			Qty Vide Item No.16				**61.35**	78.44	**4812.00**
	Basic Rate	74.00							
	Area Weightage @ 6%	4.44							
	Total	**78.44**							
	Electification and Fittings								
14	**Groove Cutting :** Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary 32 mm dia 2.5mm thick KPWD SR 2010-11 (P-2,I-3)	Mtrs							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	10.00			**10.00**	68.00	**680.00**
15	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete.10"X7"X3" (300X228X76mm) KPWD SR 2010-11 (P-3, I-6)	Each							
			1				**1**	68.00	**68.00**
	8"X6"X3" (300X228X76mm)		1				**1**	52.00	**52.00**
16	Supplying and fixing PVC/metal conduit accessories special type Junction Box 32 mm Junction Box (I. 5/P. 3) KPWD SR 2010-11	Each							
			4				**4**	29.00	**116.00**
	Deep 32 mm Junction Box		2				**2**	33.00	**66.00**
	Fan Box 18 /SWG		2				**2**	57.00	**114.00**
17	Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet Point Wiring using Class A Materials a) Short point upto 3Mtr from tapping point to out let via switch KPWD SR 2010-11 (P.3/I.8)	Each							
			2				2.00	175.00	**350.00**
	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch		2				2.00	260.00	**520.00**
	C) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch		4				4.00	368.00	**1472.00**
18	Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box 1 to 3 Modular KPWD SR 2010-11 (P-7, I-17)	Each							
			1				**1**	82.00	**82.00**
	8 Modular		1				**1**	175.00	**175.00**
19	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate 6Amps one way. KPWD SR 2010-11 (P.8/I.18)	Each							
			6				**6**	96.00	**576.00**
	6Amps 3way Socket.		3				**3**	165.00	**495.00**
	Stepped Fan Regulator		2				**2**	520.00	**1040.00**
20	Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely wired on existing box Group A KPWD SR 2010-11 (P.9/I.19)	Each							
			1				**1**	630.00	**630.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
21	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required 5-32 Amps SP KPWD SR 2010-11 (P.34/I.13)	Each							
			1				**1**	560.00	**560.00**
22	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc 20"x20"x2.5" KPWD SR 2010-11 (P,32/I.2)	Each							
			1				**1**	285.00	**285.00**
23	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipment on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit.. The pit should be filled with equal proprotion of salt and charcol 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3 of Is 732 using 12mm dia nuts, washers and checknuts etc the pipe shall have 16 through holes of 122 mm dia KPWD SR 2010-11 (P.68/I.1)	No							
			1				**1**	1950.00	**1950.00**
24	Sub Total								**446023.00**
25	KRIDL Charges @ 11%								**49063.00**
26	Thirty Party Inspection Charges @ 1%								**4460.00**
27	Miscesalaneous Charges	L/S							**454.00**
								Total	**500000.00**
(Rupees Five Lakhs Only)									

CERTIFICATE :

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR 2013-14 & KPWD SR 2011-12.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranayapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division